

FIG. 1A

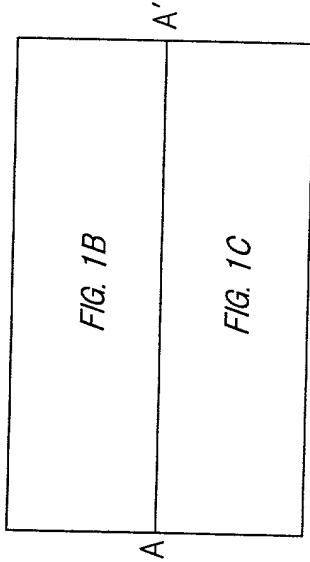


FIG. 1B

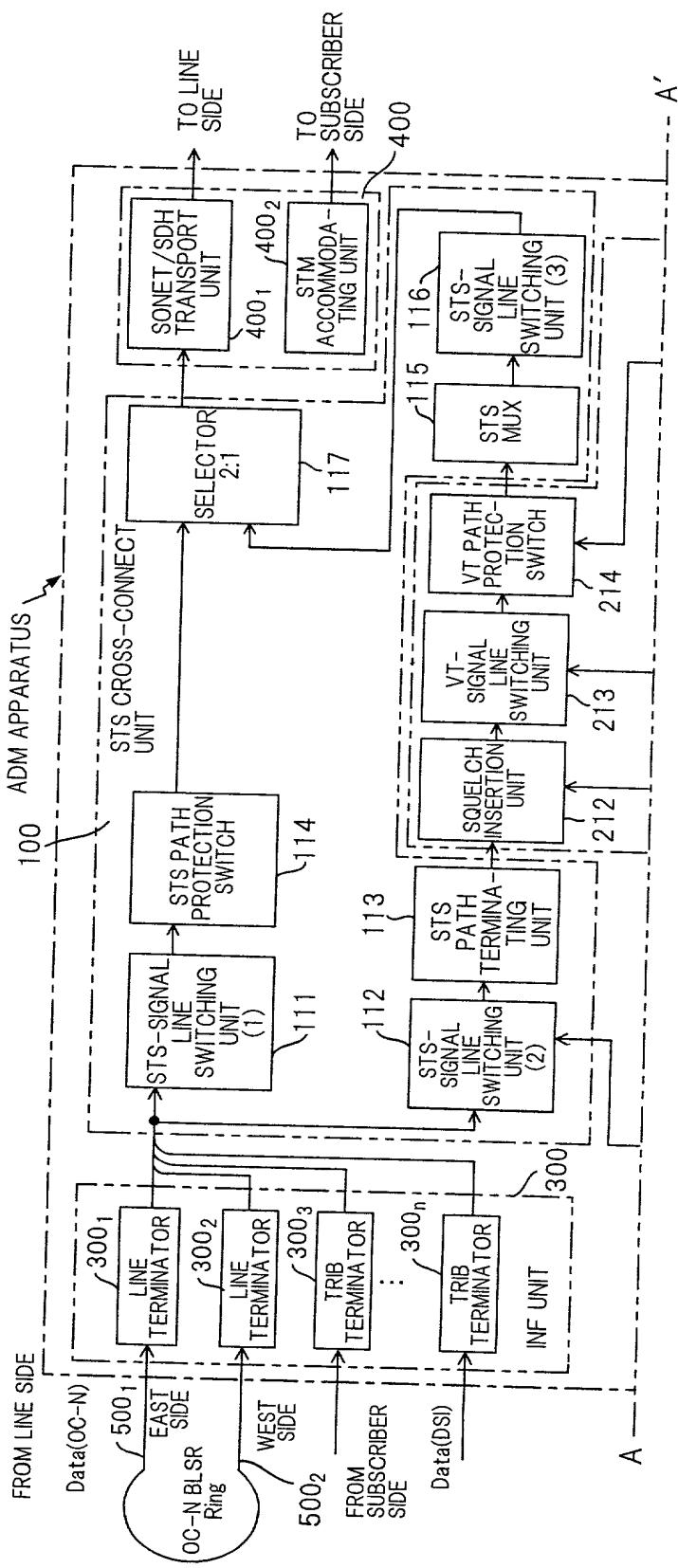


FIG. 1C

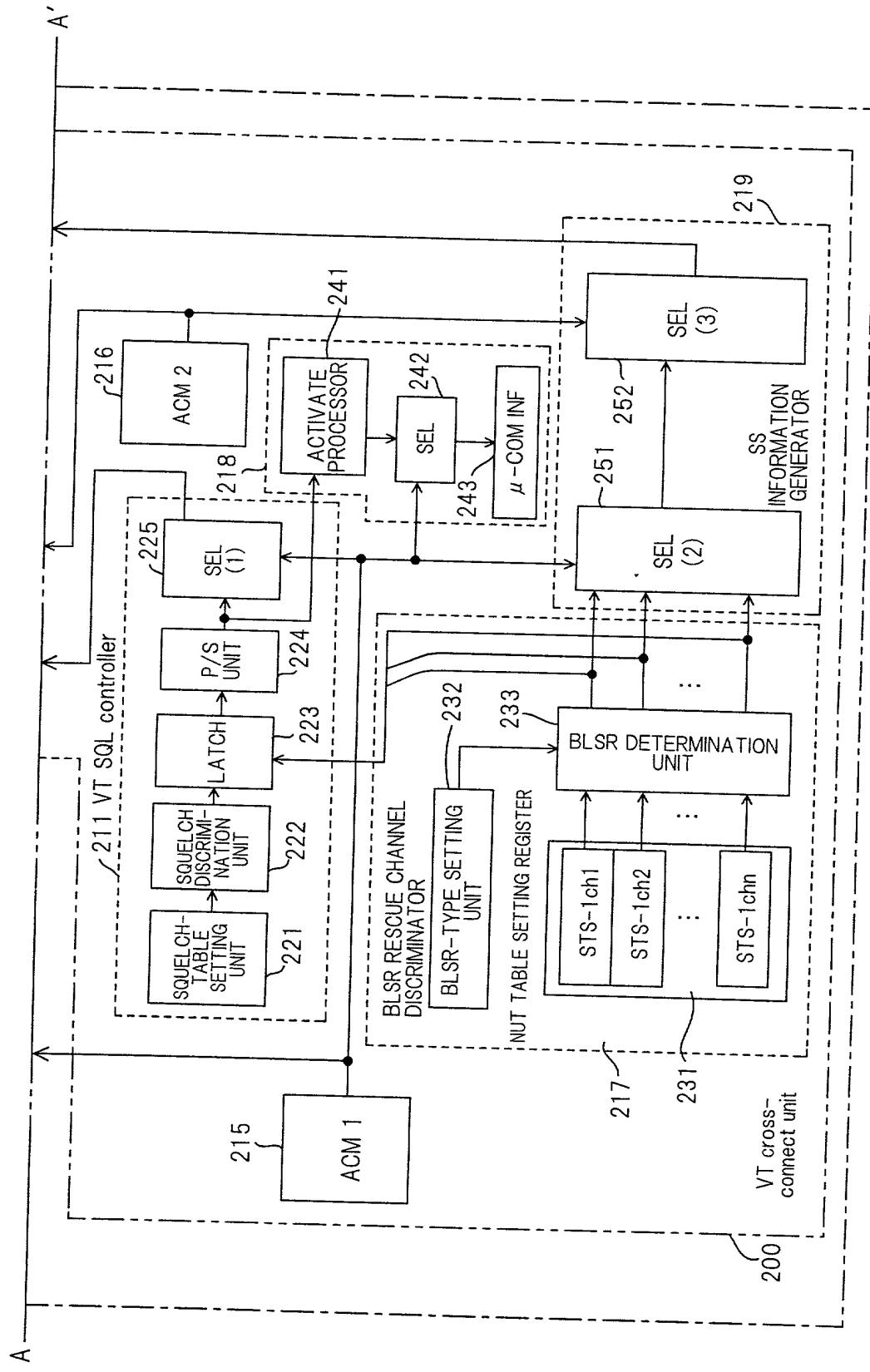


FIG. 2

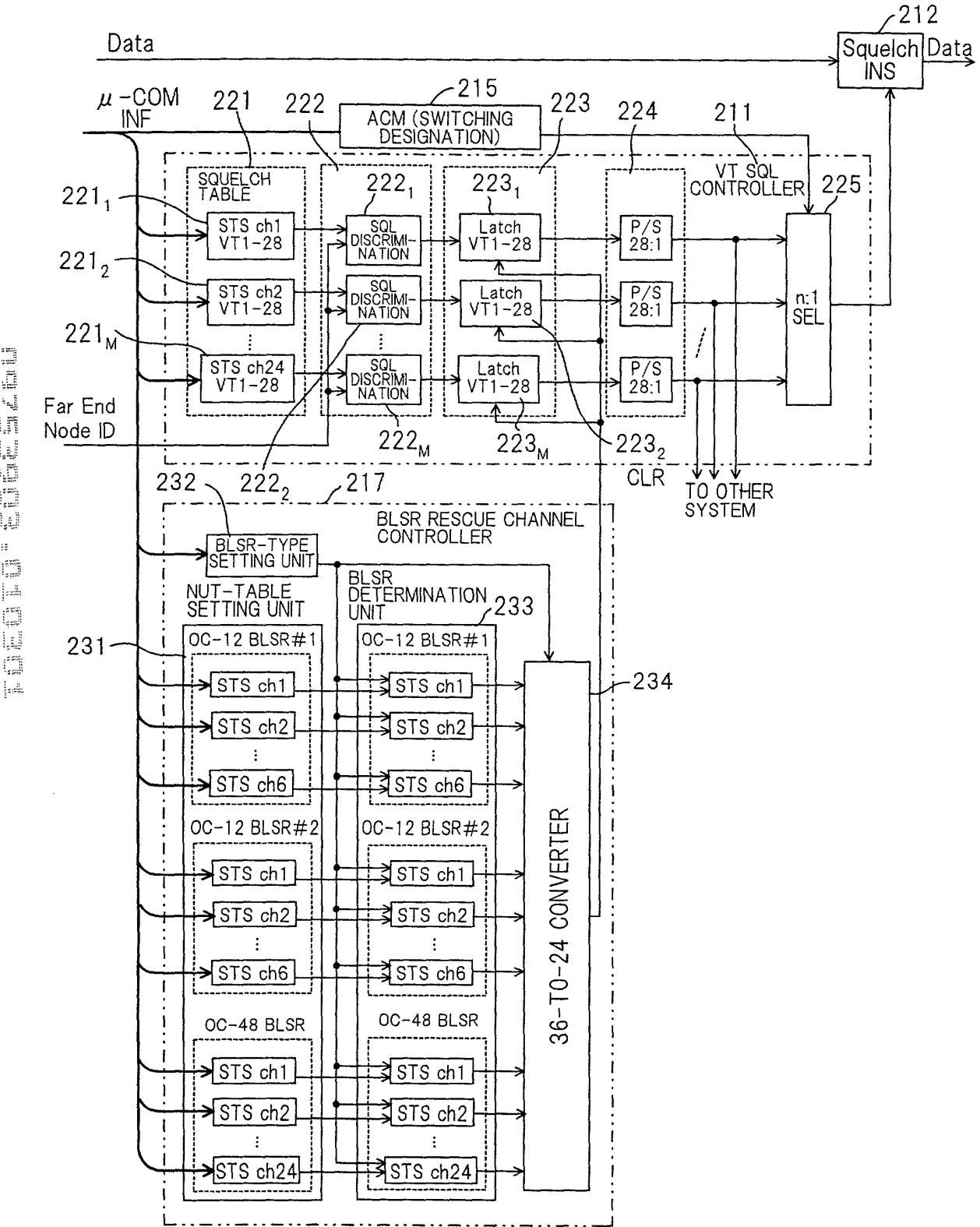
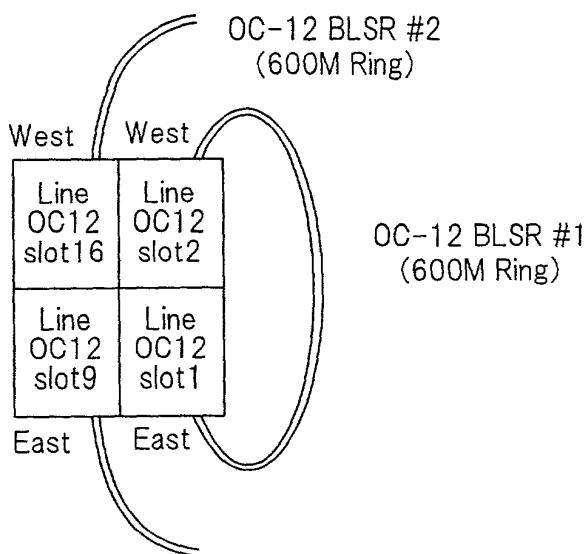


FIG. 3A

<CONFIGURATION FOR
OC-12 BLSR APPLICATION>

*FIG. 3B*

<CONFIGURATION FOR
OC-48 BLSR APPLICATION>

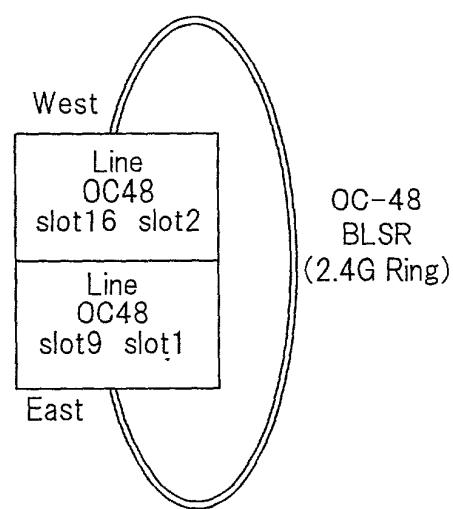


FIG. 4

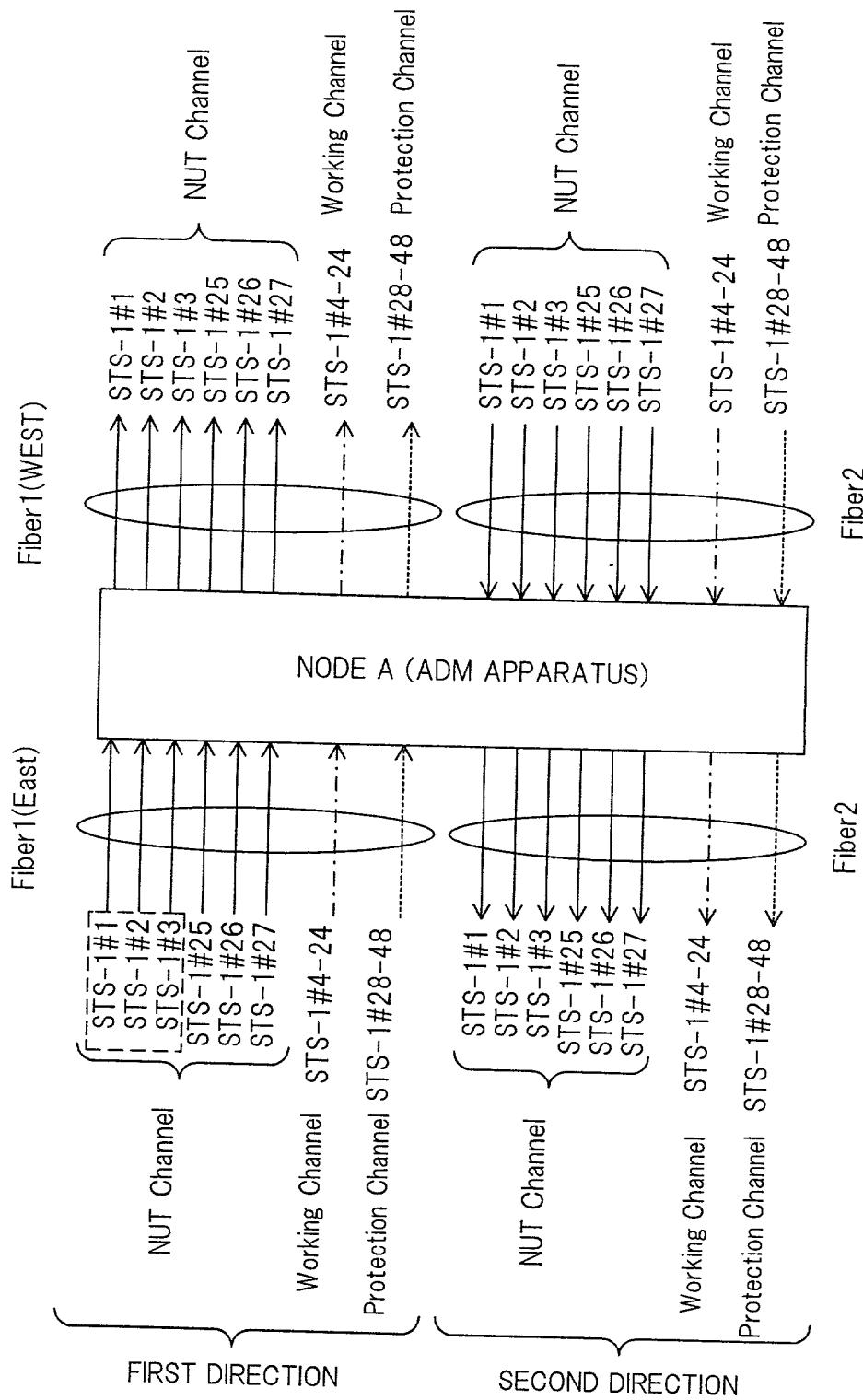


FIG. 5

OC-12 BLSR #1

D15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
*	*	*	*	*	*	*	*	*	*	ch6	ch5	ch4	ch3	ch2	ch1

OC-12 BLSR #2

D15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
*	*	*	*	*	*	*	*	*	*	ch6	ch5	ch4	ch3	ch2	ch1

OC-48 BLSR

D15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
*	*	*	*	ch12	ch11	ch10	ch9	ch8	ch7	ch6	ch5	ch4	ch3	ch2	ch1

OC-48 BLSR

D15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
*	*	*	*	ch24	ch23	ch22	ch21	ch20	ch19	ch18	ch17	ch16	ch15	ch14	ch13

“1”=NUT channel

“0”=not NUT channel

FIG. 6

BLSR Type		
OC12-2	OC12-1	OC-48

OC-48: OC-48 BLSR DESIGNATION; “1” : WHEN OC-48 BLSR; “0” : NOT OC-48 BLSR

OC-12-1: OC-12 BLSR #1 DESIGNATION; “1” : WHEN OC-12 BLSR #1; “0” : NOT OC-12 BLSR #1

OC-12-2: OC-12 BLSR #2 DESIGNATION; “1” : WHEN OC-12 BLSR #2; “0” : NOT OC-12 BLSR #2

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FIG. 7A

APPLICATION	NUMBER OF NUT CHANNEL SETTING REGISTERS ACCORDING TO PRIOR ART (N)	NUMBER OF NUT CHANNEL SETTING REGISTERS ACCORDING TO PRESENT INVENTION (M)
not BLSR	192	0
OC-12 BLSR		6
OC-48 BLSR		24

(WHEN MAXIMUM VT ACCESS PROCESSING CAPACITY OF APPARATUS IS 10 Gbps)

FIG. 7B

APPLICATION	NUMBER OF BLSR- TYPE SETTING REGISTERS ACCORDING TO PRIOR ART (N)	NUMBER OF BLSR- TYPE SETTING REGISTERS ACCORDING TO PRIOR ART (L)
WHEN OC-12 BLSR, OC-48 BLSR OR ITEM OTHER THAN BLSR CAN BE SELECTED	192	2

(WHEN MAXIMUM VT ACCESS PROCESSING CAPACITY OF APPARATUS IS 10 Gbps)

FIG. 7C

APPLICATION	NUMBER OF SQL ACTIVATE PROCESSING CHANNELS ACCORDING TO PRIOR ART (NxVT*)	NUMBER OF SQL ACTIVATE PROCESSING CHANNELS ACCORDING TO PRESENT INVENTION (MxVT*)
not BLSR	5376	0
OC-12 BLSR		168 (=6×28)
OC-48 BLSR		672 (=24×28)

(WHEN MAXIMUM VT ACCESS PROCESSING CAPACITY OF APPARATUS IS 10 Gbps)

FIG. 8

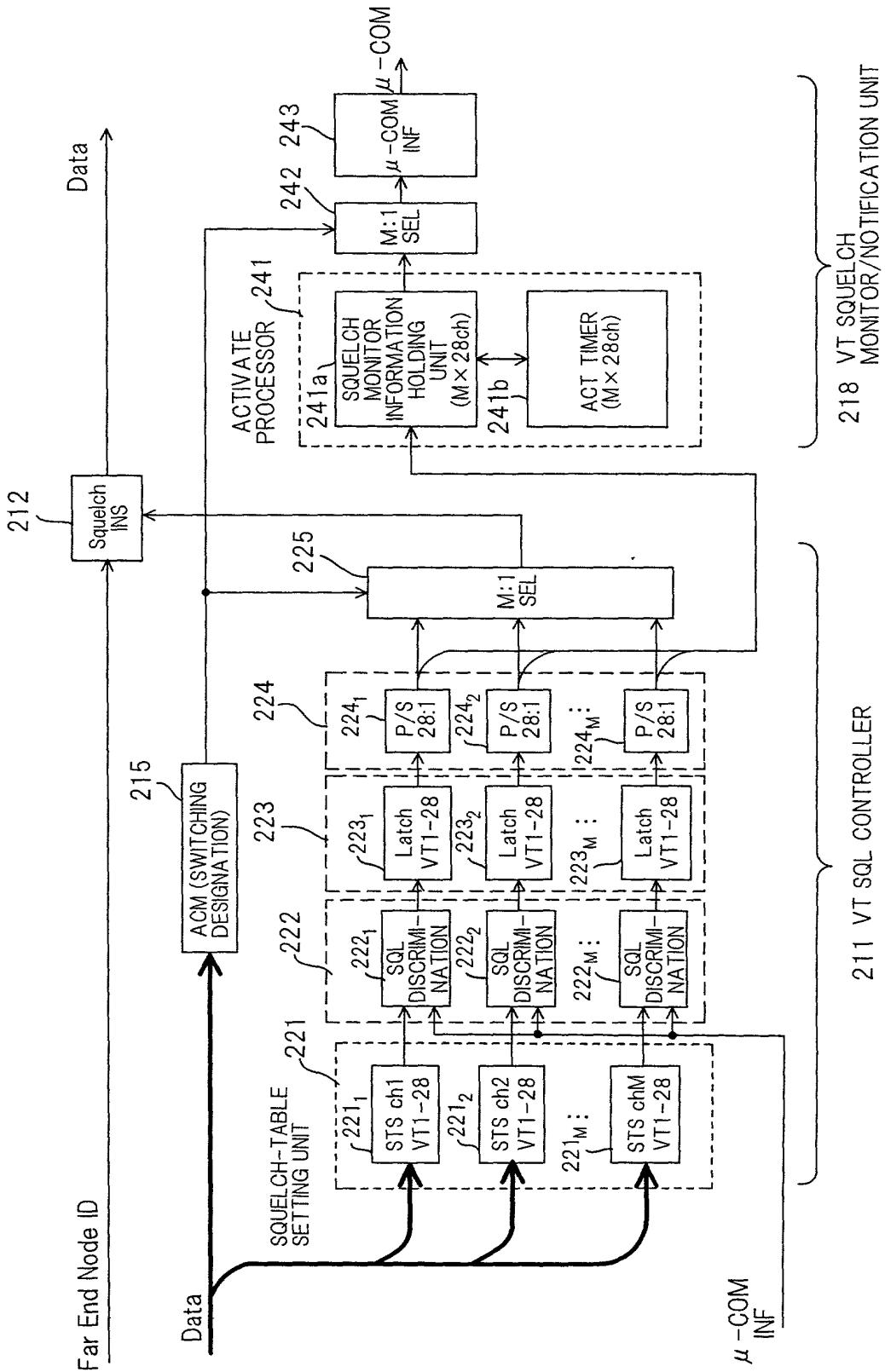


FIG. 9

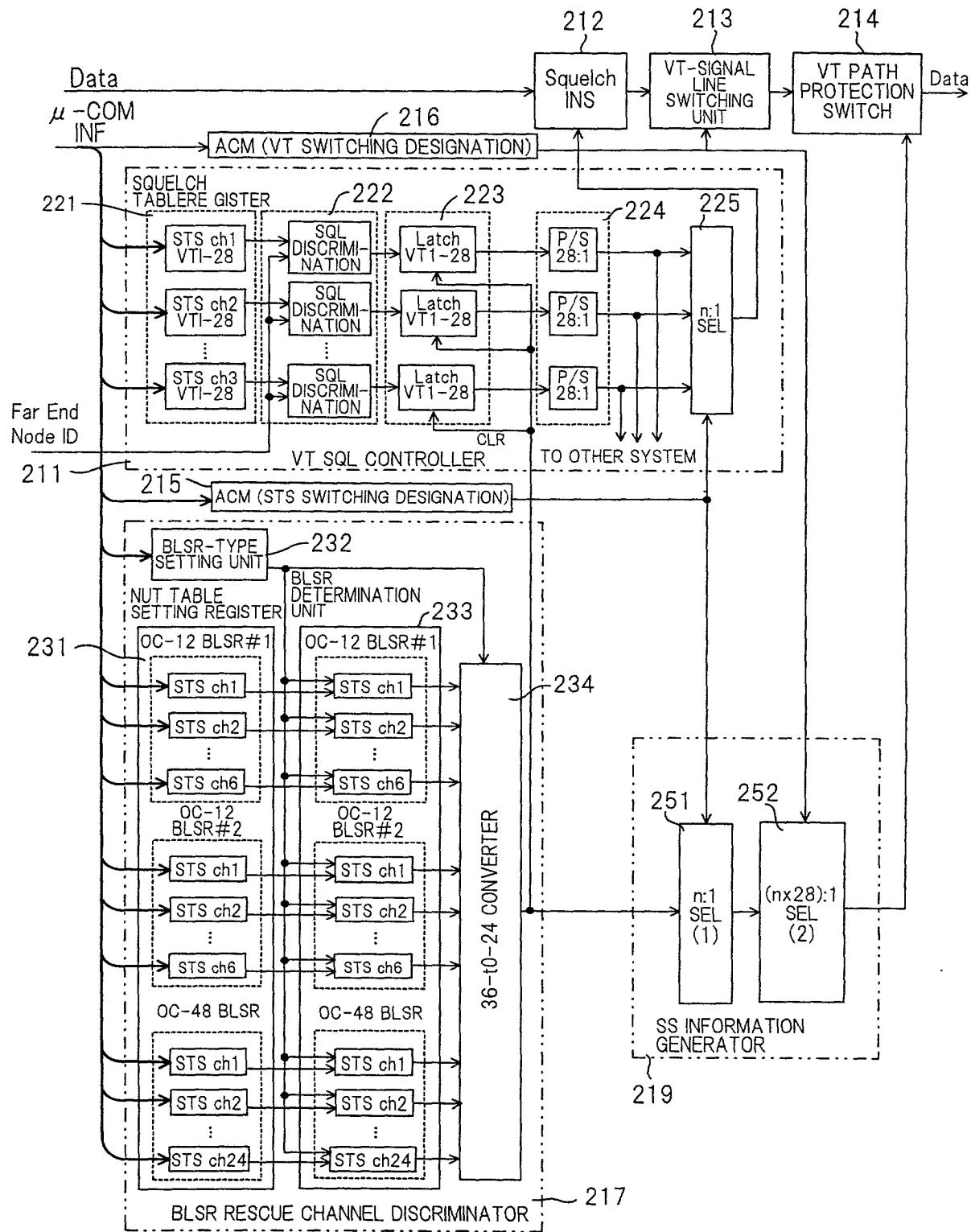


FIG. 10

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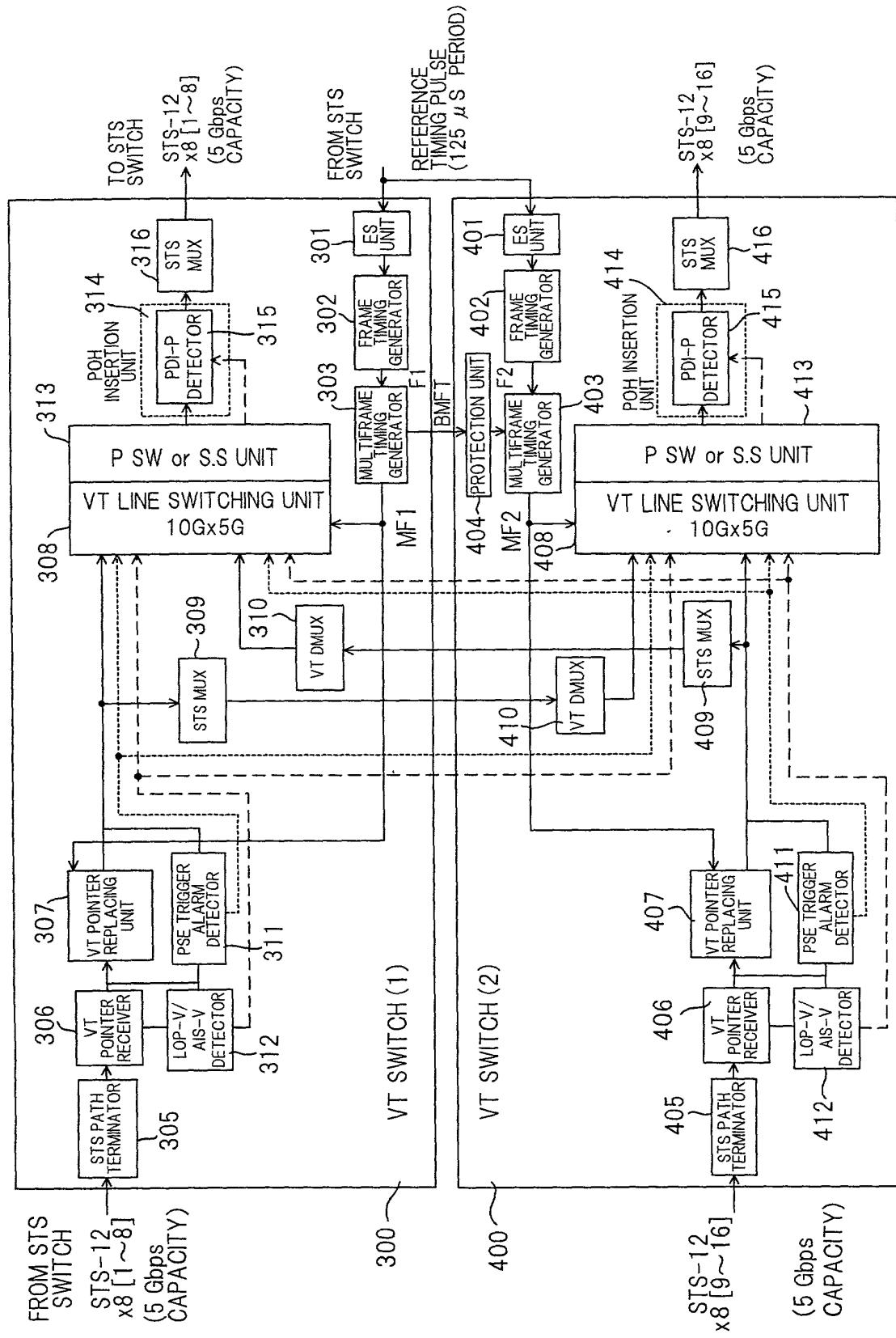


FIG. 11

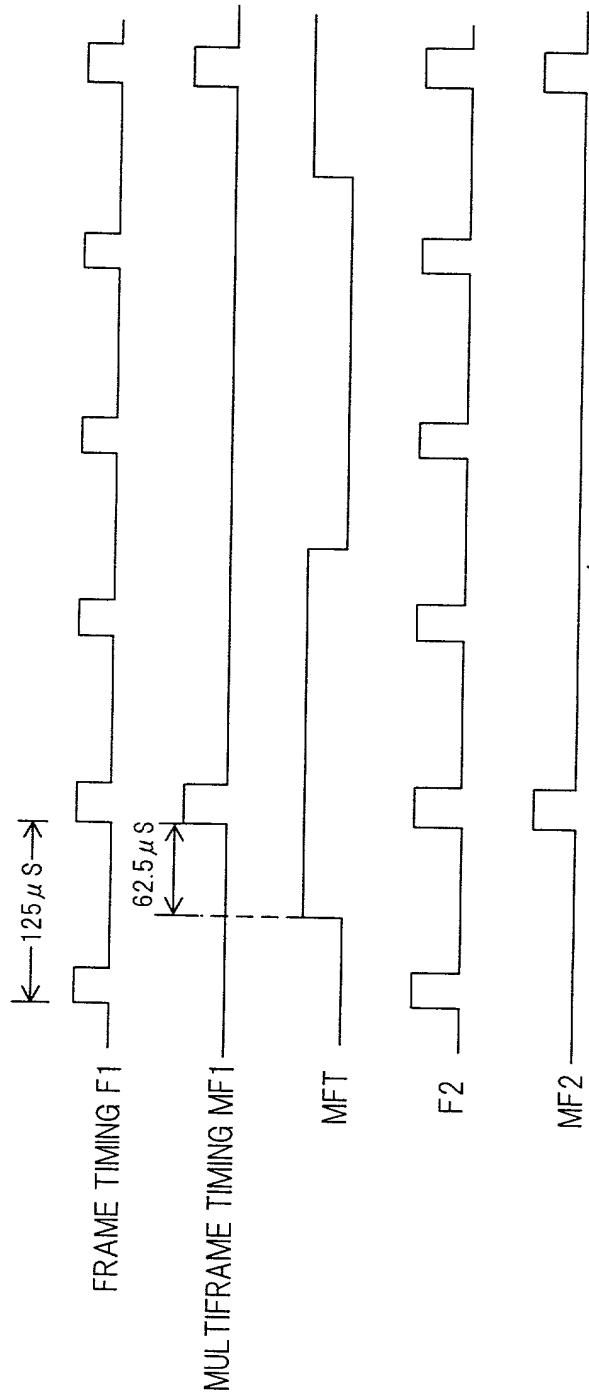


FIG. 12 PRIOR ART

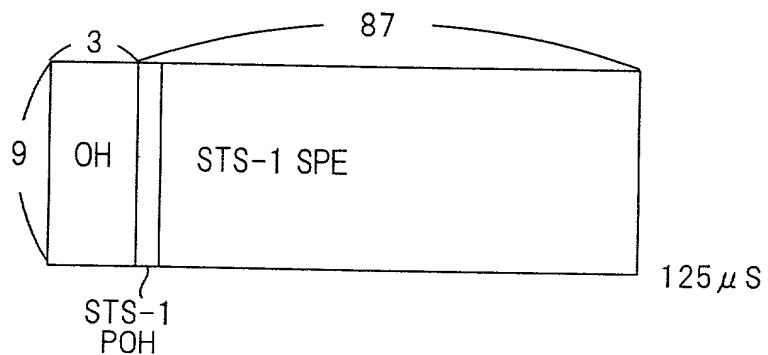


FIG. 13 PRIOR ART

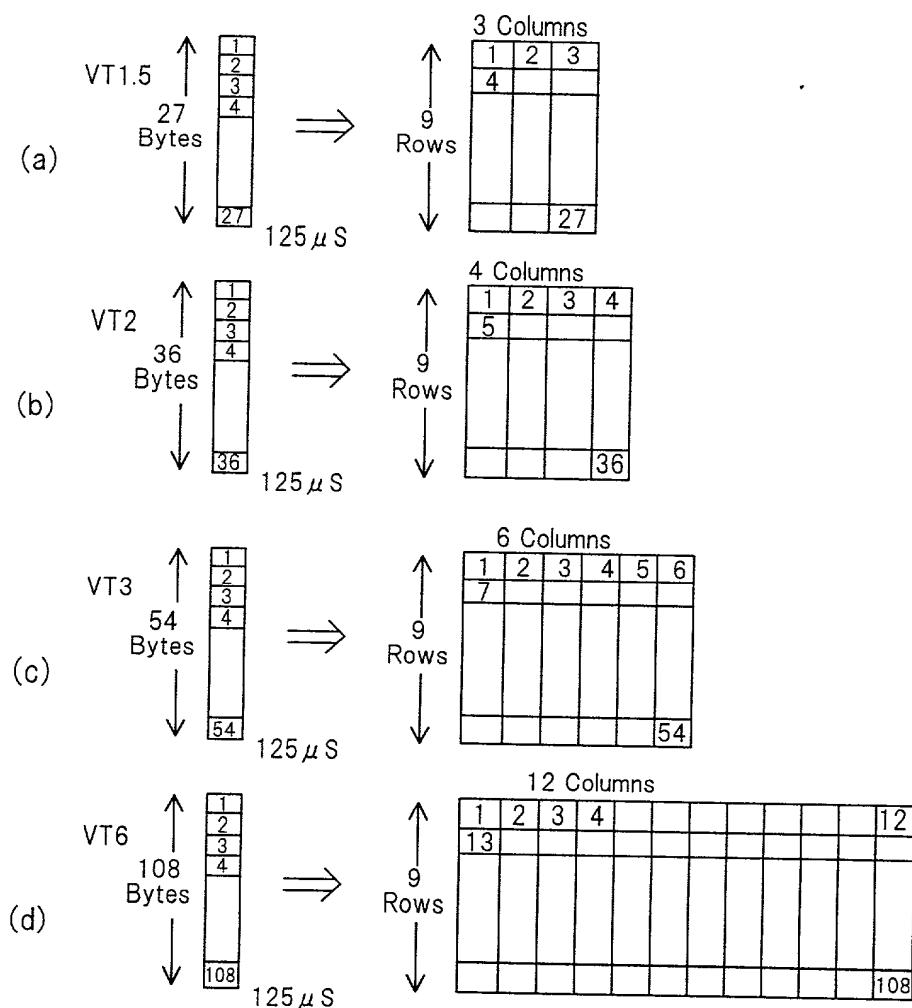


FIG. 14 PRIOR ART

→ STS-1 SPE Columns

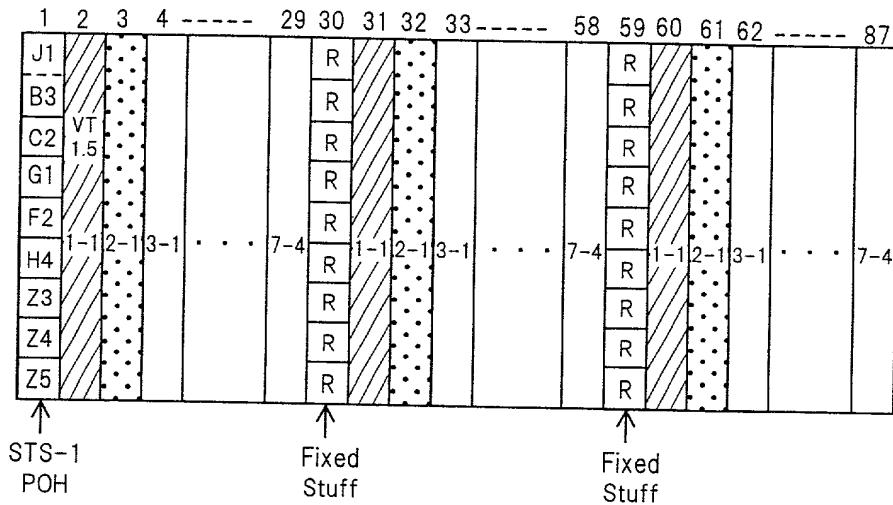


FIG. 15 PRIOR ART

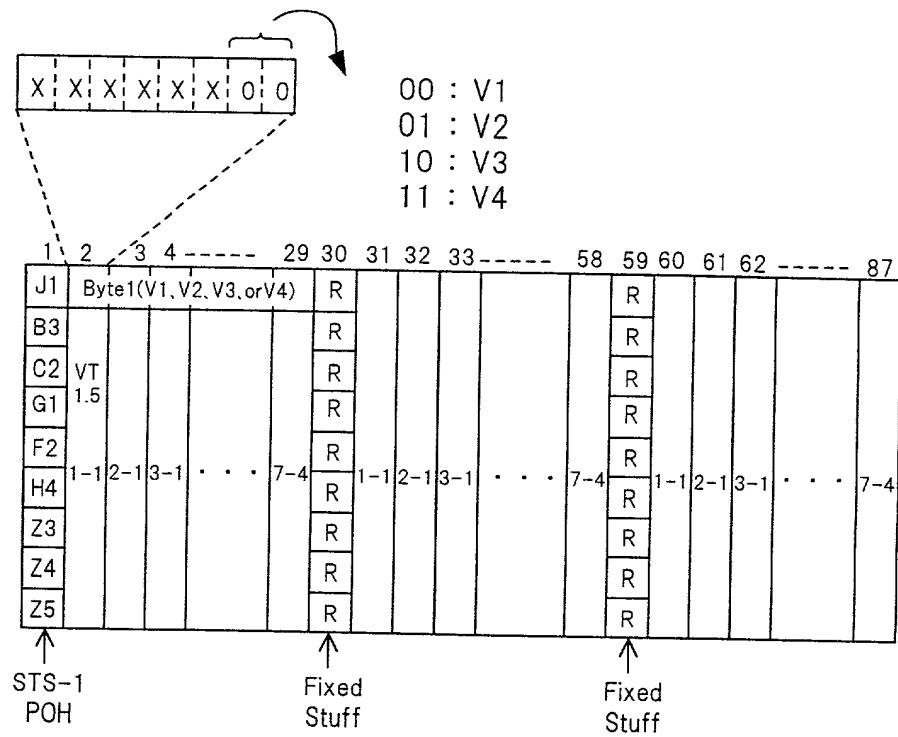


FIG. 16A PRI/ORT ART

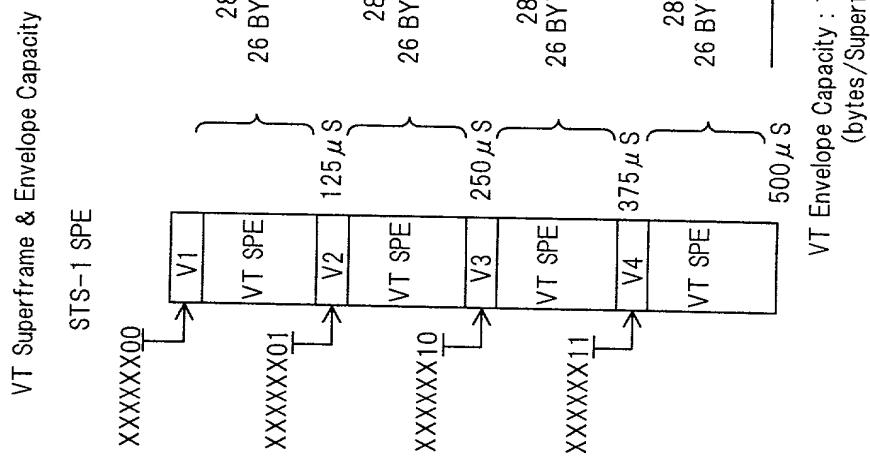


FIG. 16B PRI/ORT ART

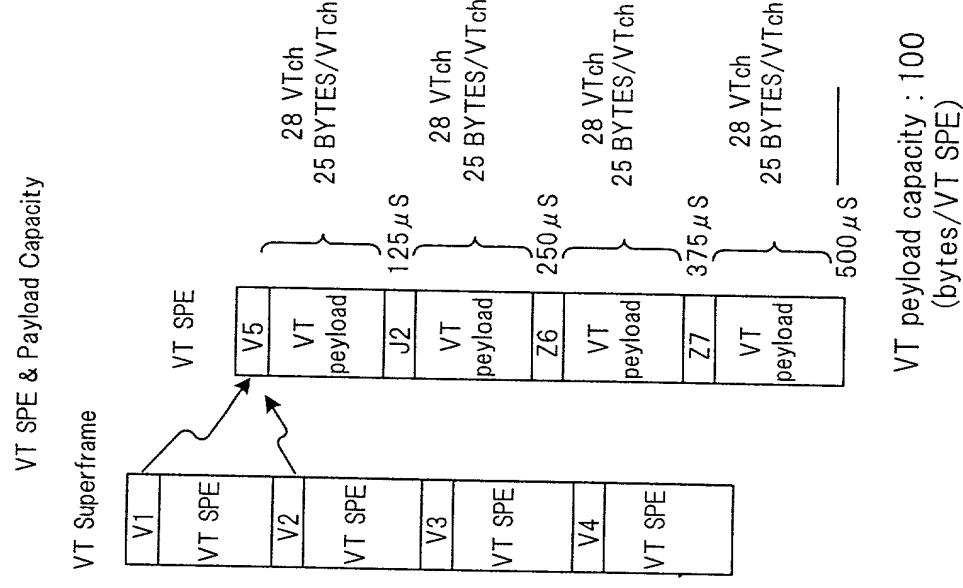


FIG. 17 PRIOR ART

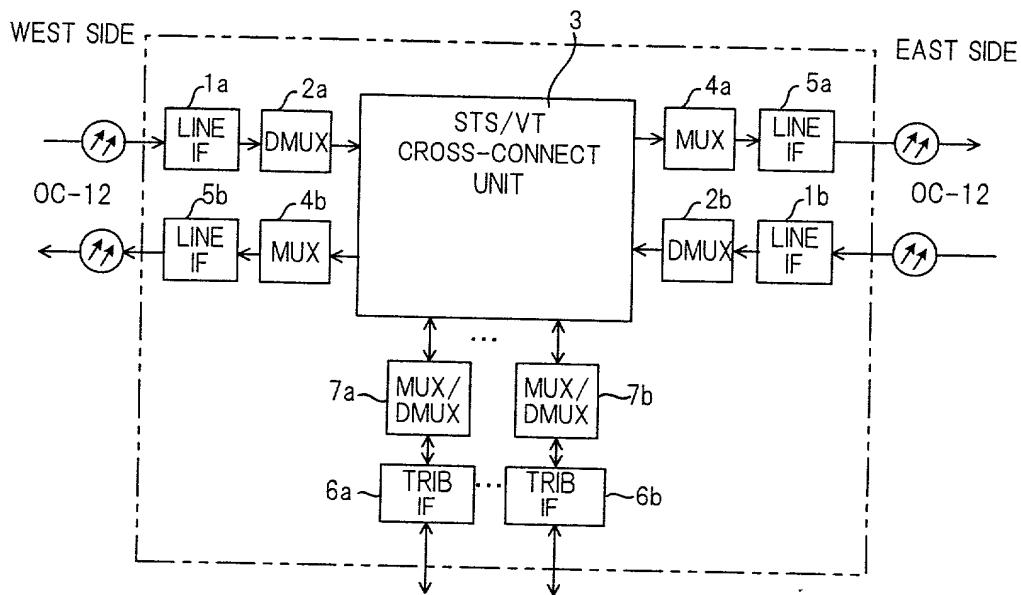


FIG. 18 PRIOR ART

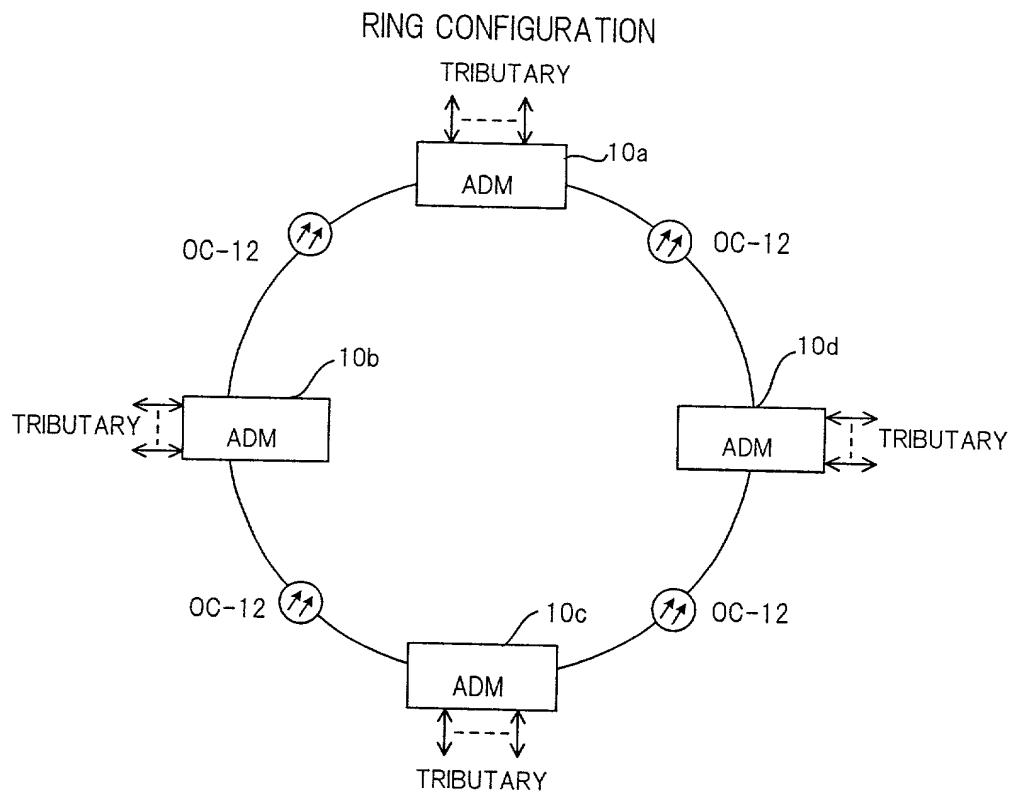


FIG. 19 PRIOR ART

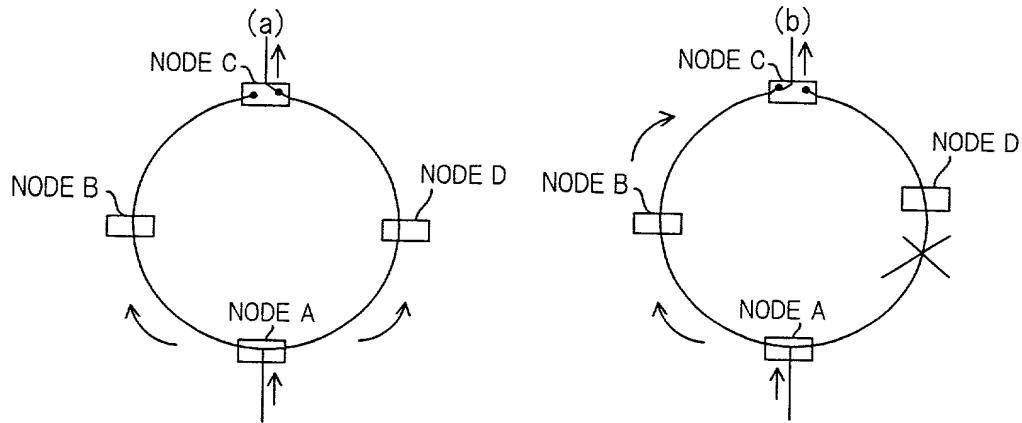


FIG. 20 PRIOR ART

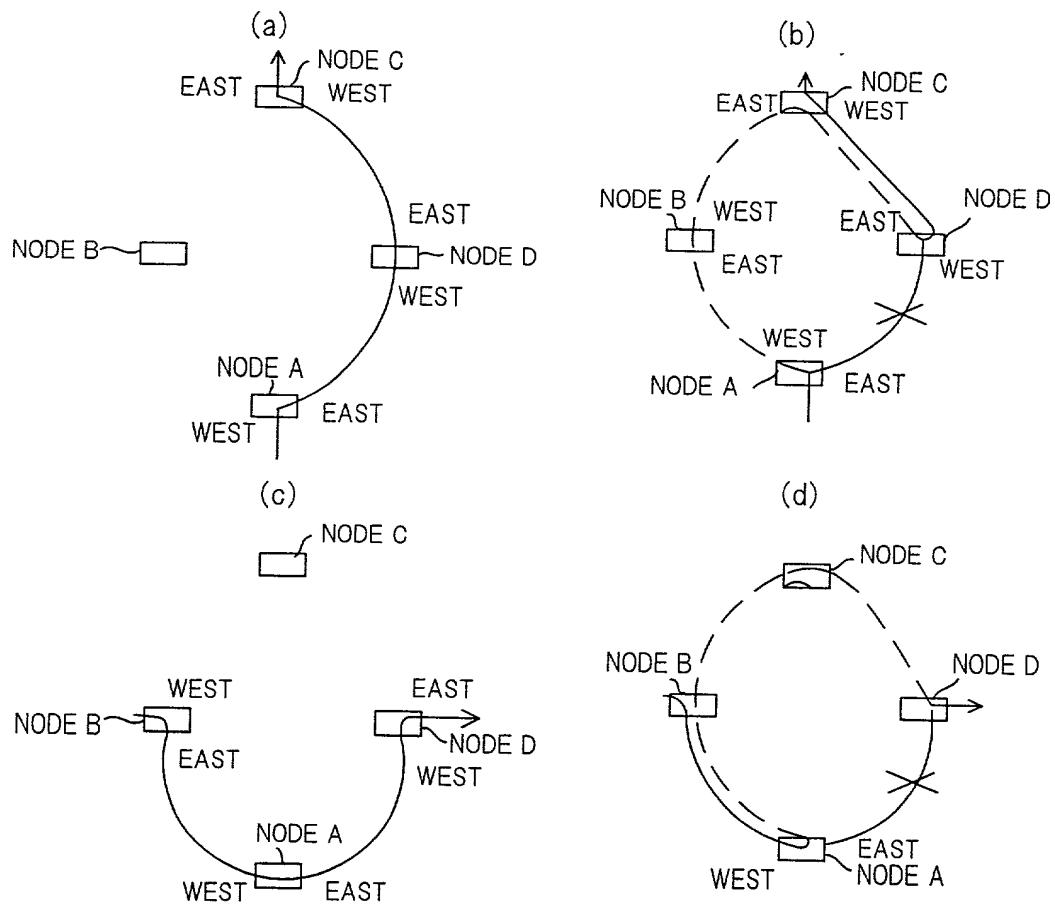


FIG. 21 PRIOR ART

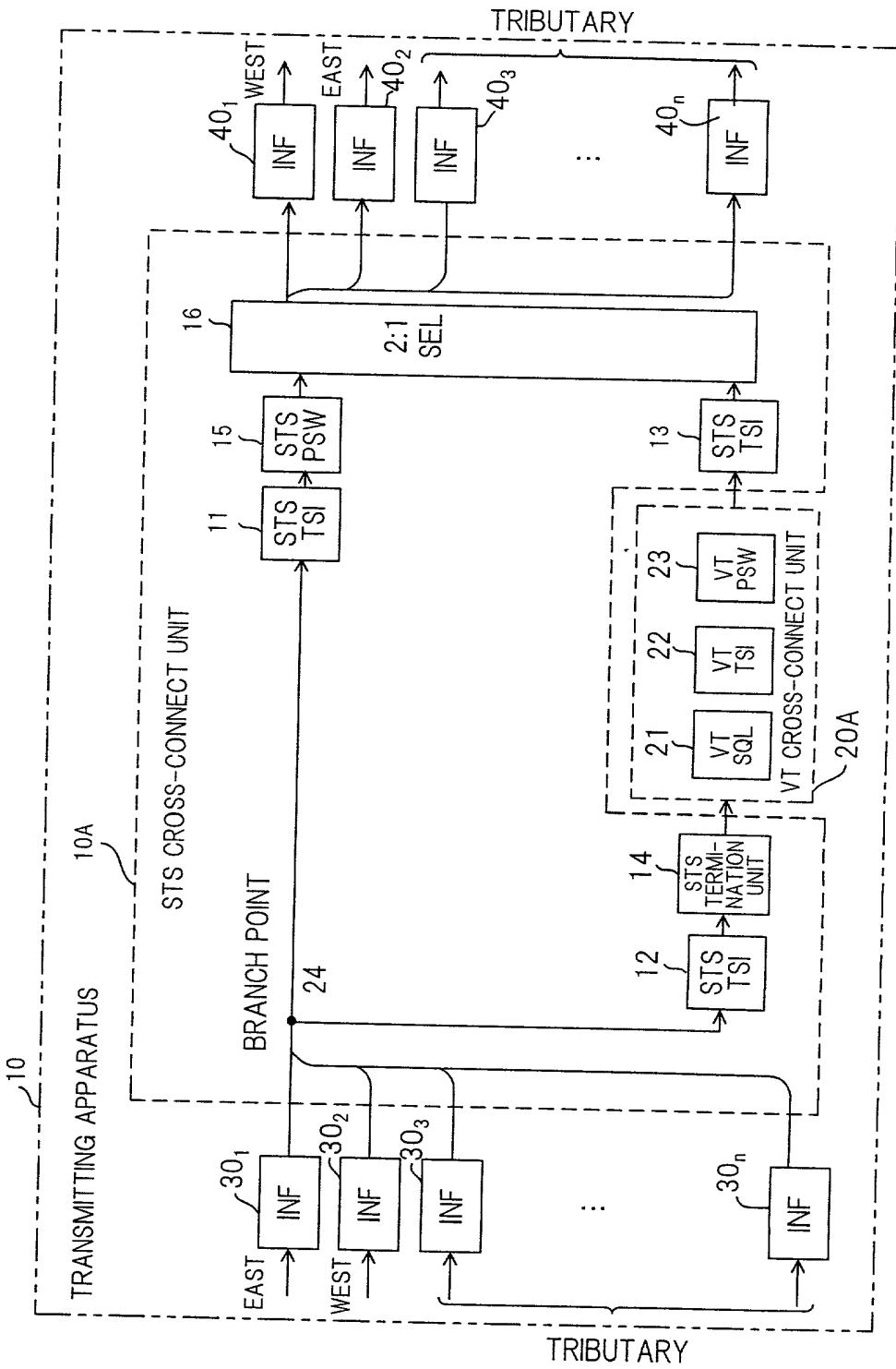


FIG. 22A PRIOR ART

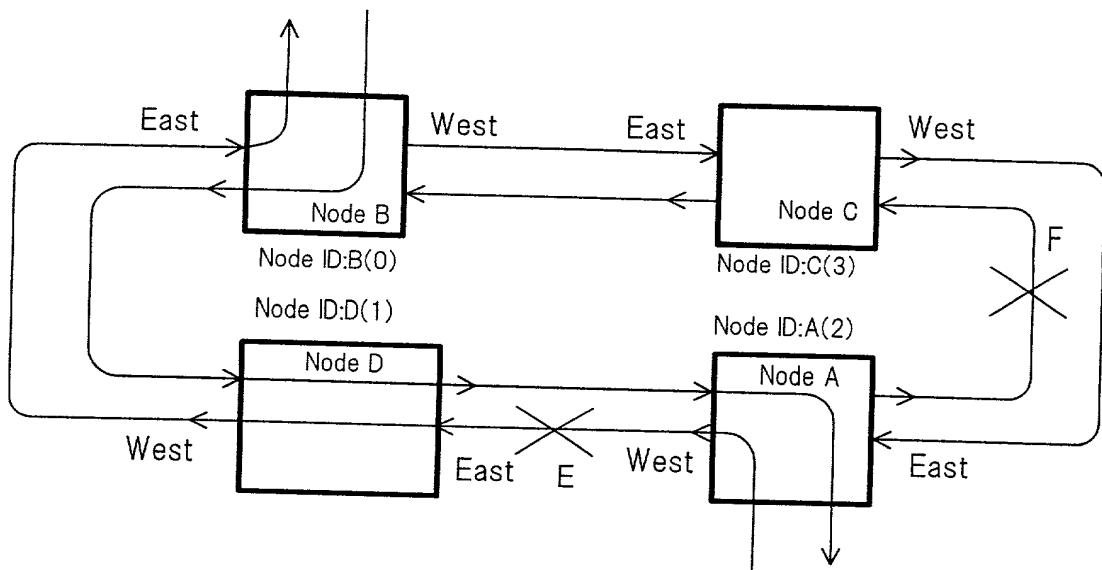


FIG. 22B PRIOR ART

Node B VT Squelch Table

East Side	West Side
2	0

FIG. 23 PRIOR ART

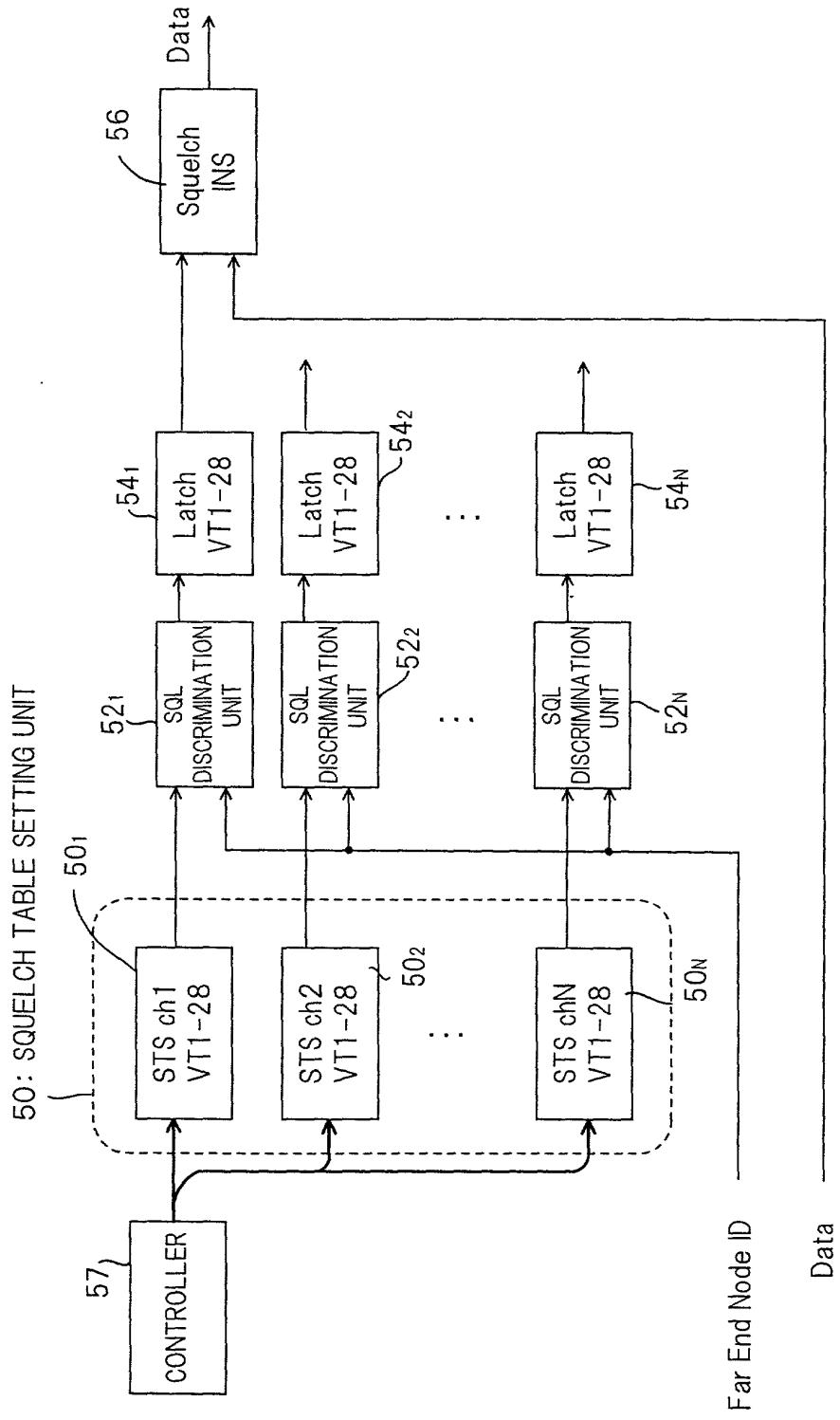


FIG. 24 PRIOR ART

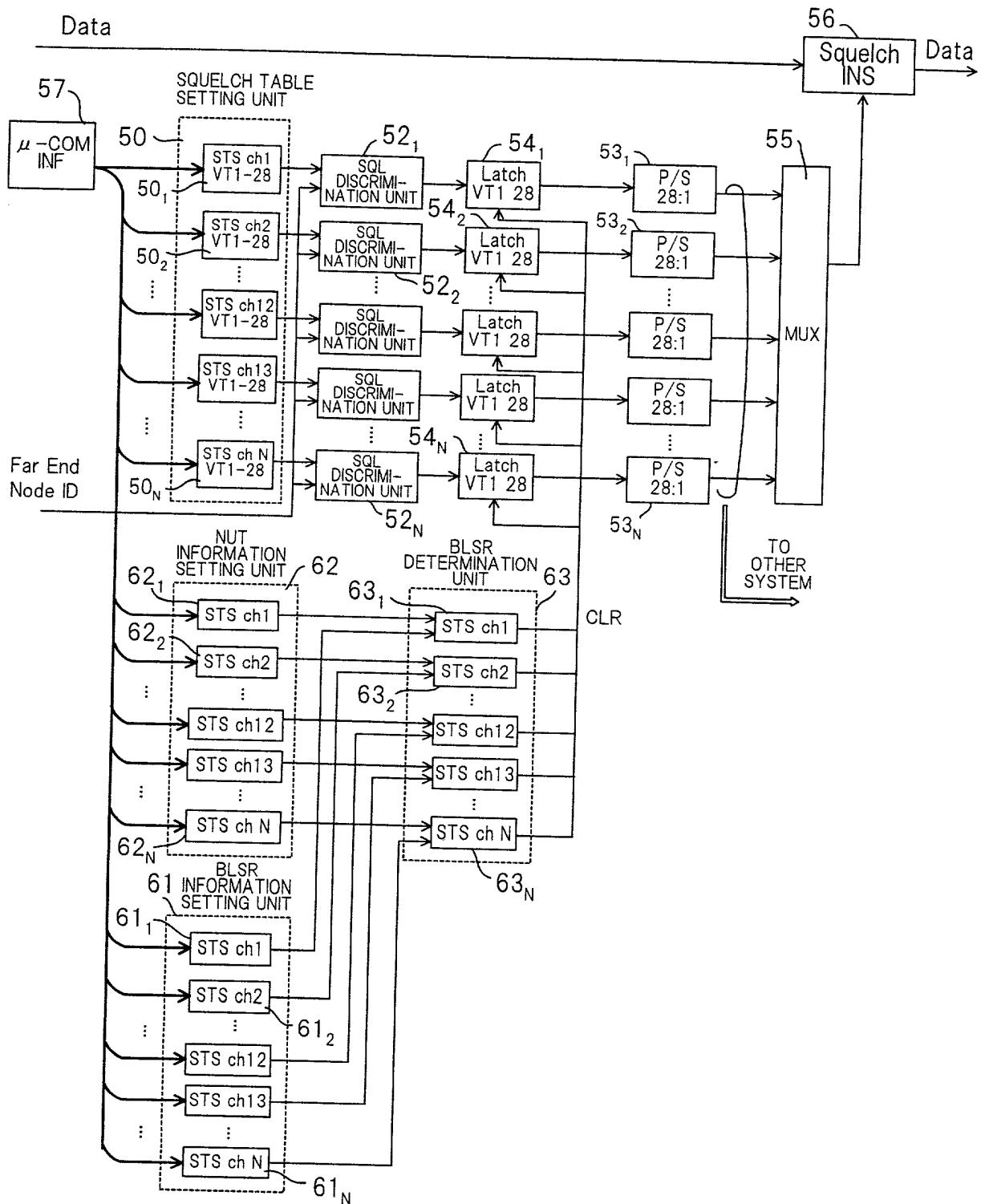


FIG. 25 PRIOR ART

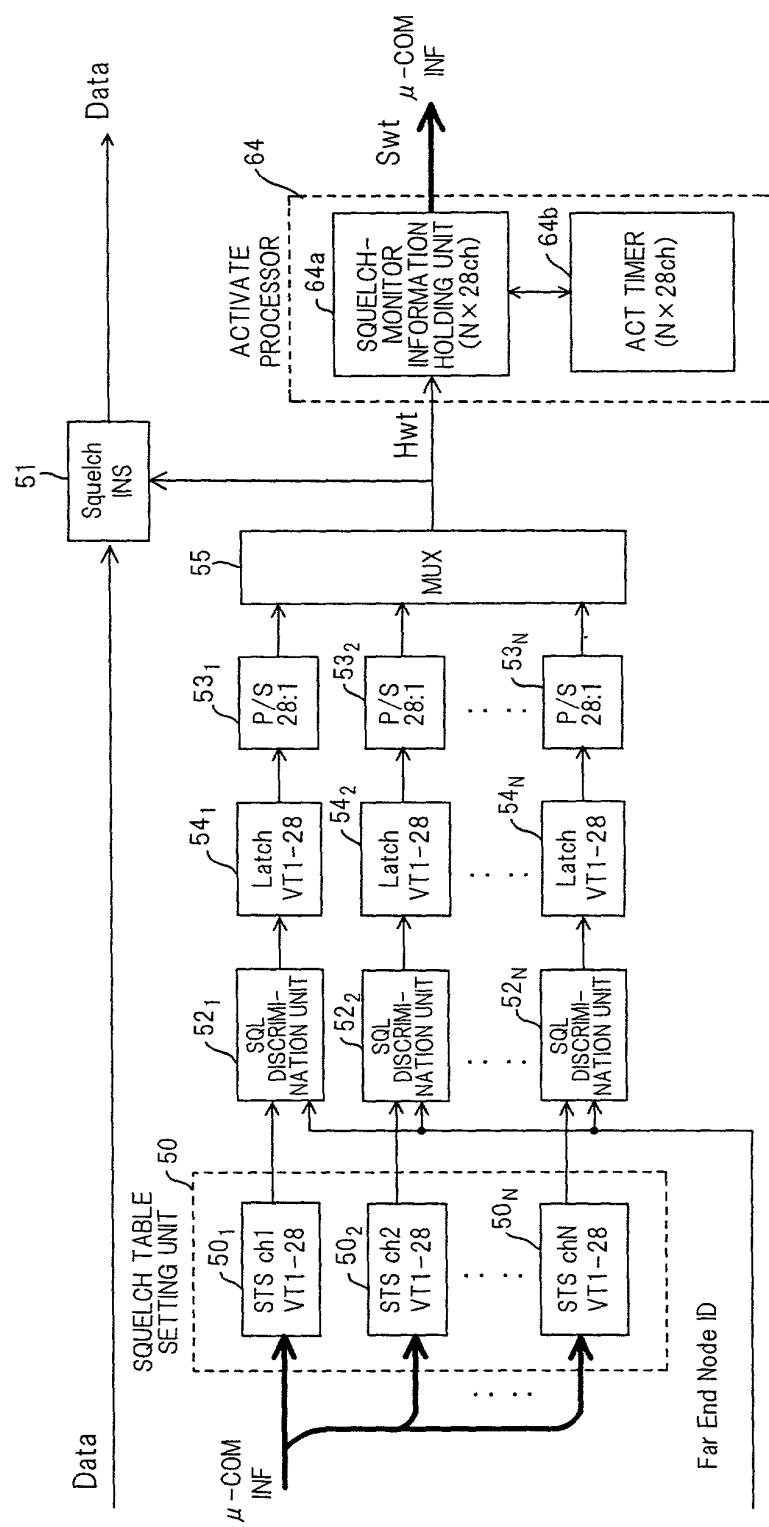


FIG. 26 PRIOR ART

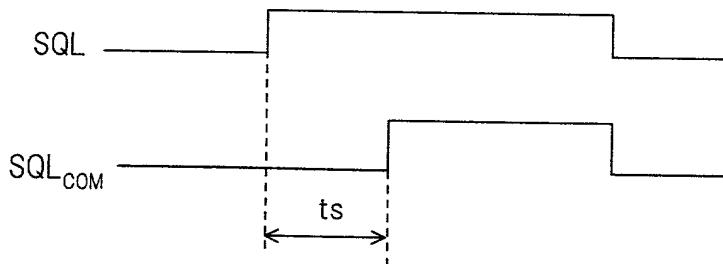


FIG. 27 PRIOR ART

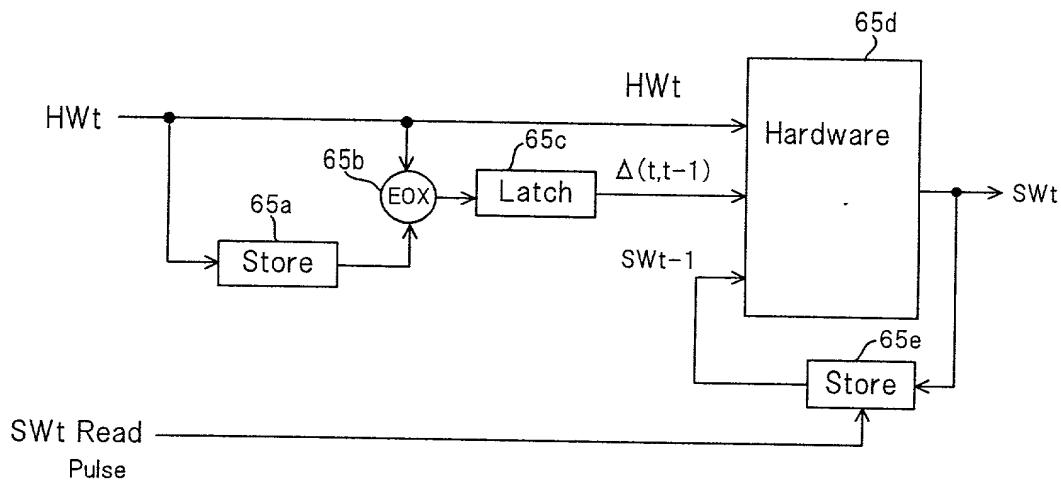


FIG. 28 PRIOR ART

$SWt-1$	$\Delta(t, t-1)$	HWt	SWt
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0

FIG. 29 PRIOR ART

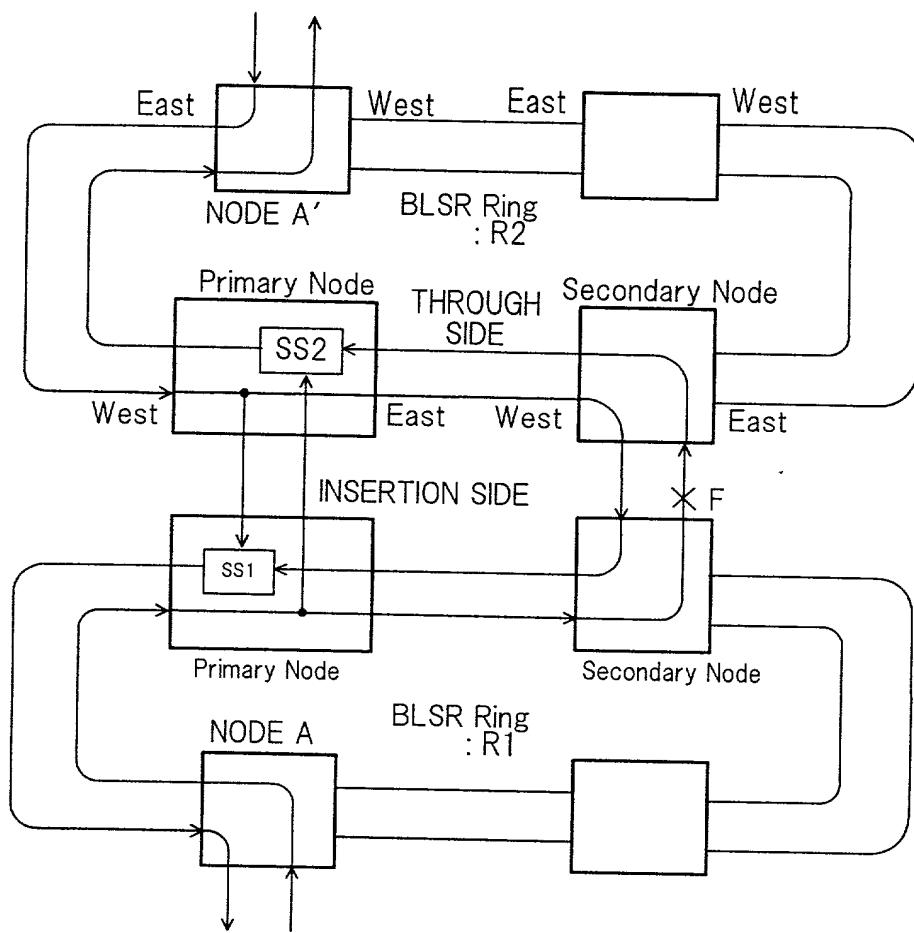


FIG. 30 PRIOR ART

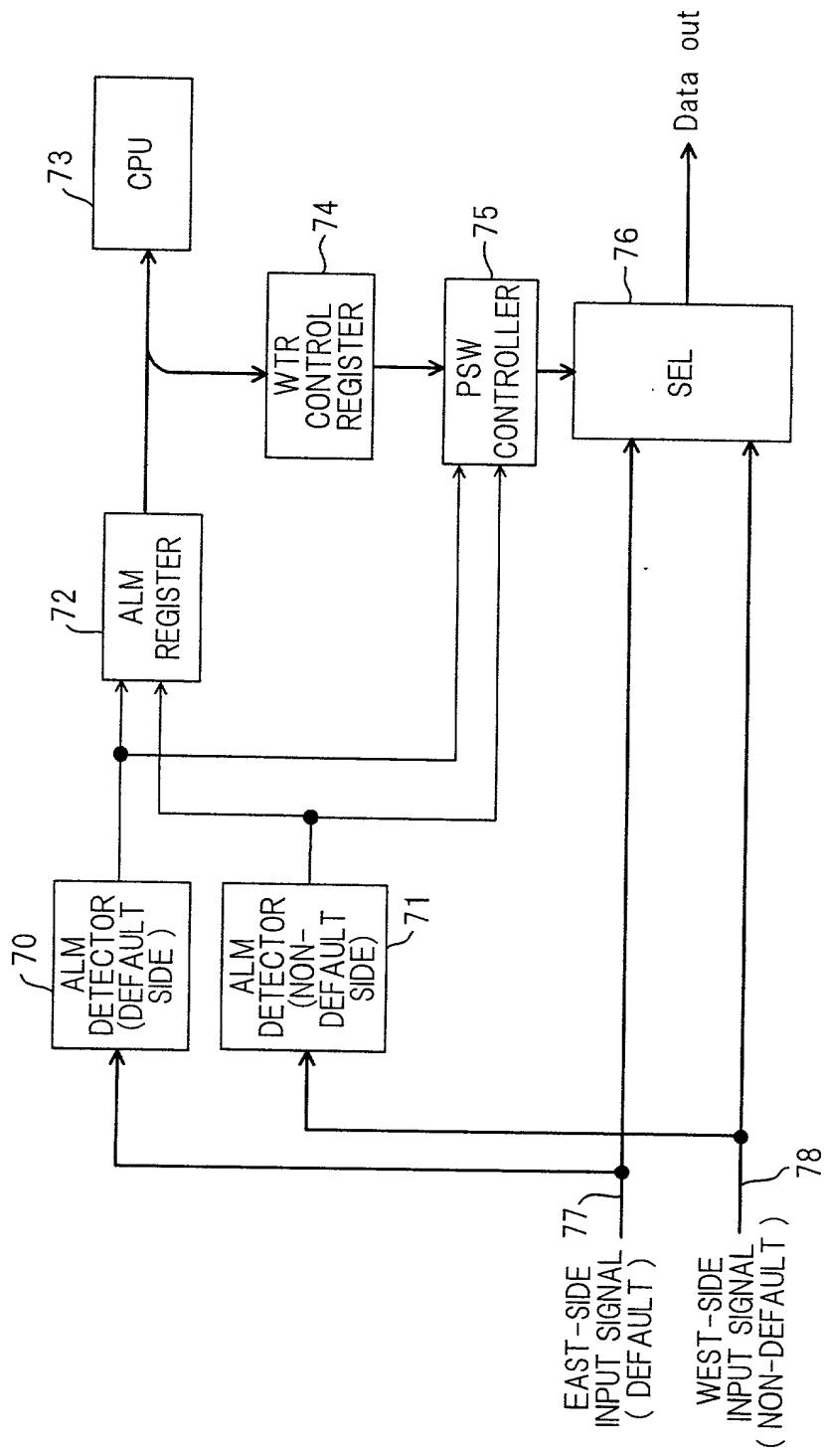


FIG. 31 PRIOR ART

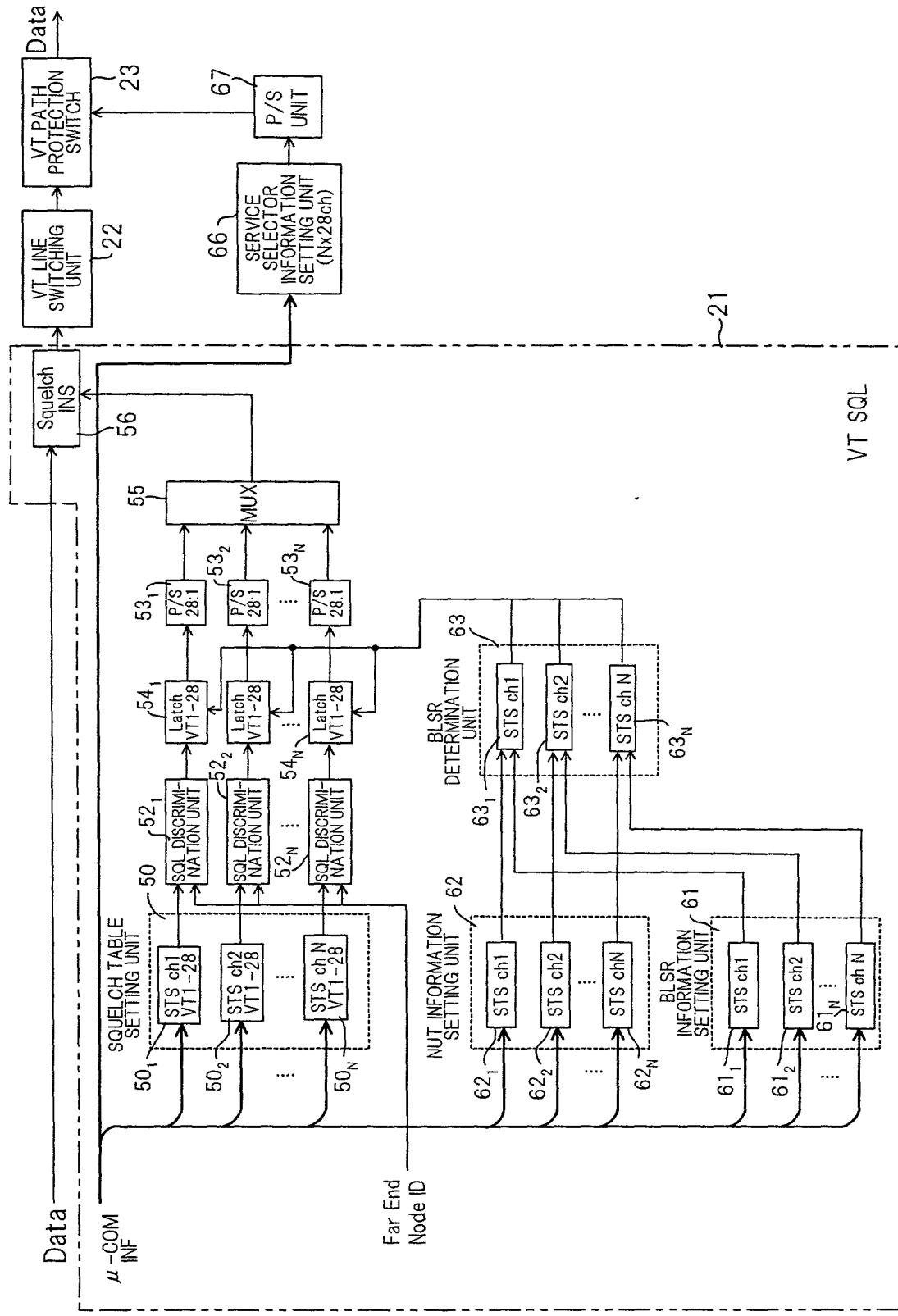


FIG. 32 PRIOR ART

